

**PARTS LIST**

Description	Qty.
Lightbar Assembly, N936	1
Wire Connectors	6
Spacer	2
Screws, Hex, M6 x 35	2



Hex Key, 5mm  
Wrench, 10mm  
Screwdriver, #2 Phillips  
Pliers

**PREPARATION**

**Make certain the motorcycle is securely positioned for this installation. Cover the front fender with a protective cloth to avoid scratches.**

1. Remove the headlight ring assembly from the headlight shell (screwdriver), retain the screws for re-use. Set the headlight ring assembly safely aside.
2. Disconnect the turnsignals wires, inside the headlight shell.
3. Remove the turnsignal mounting bar (hex key, 5mm and wrench, 10mm), retain the end screws for re-use

**INSTALLATION**

**Note: an assistant may be helpful during the installation.**

**A. Mount the Lightbar**

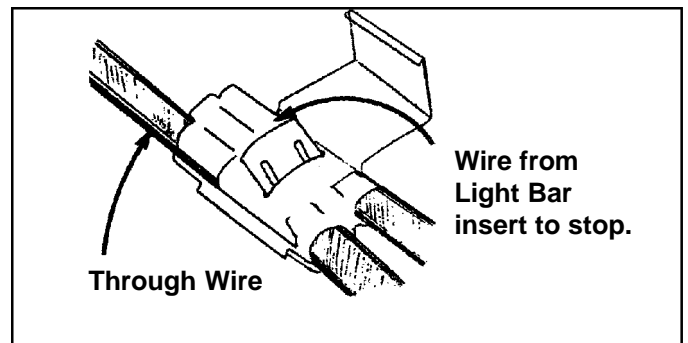
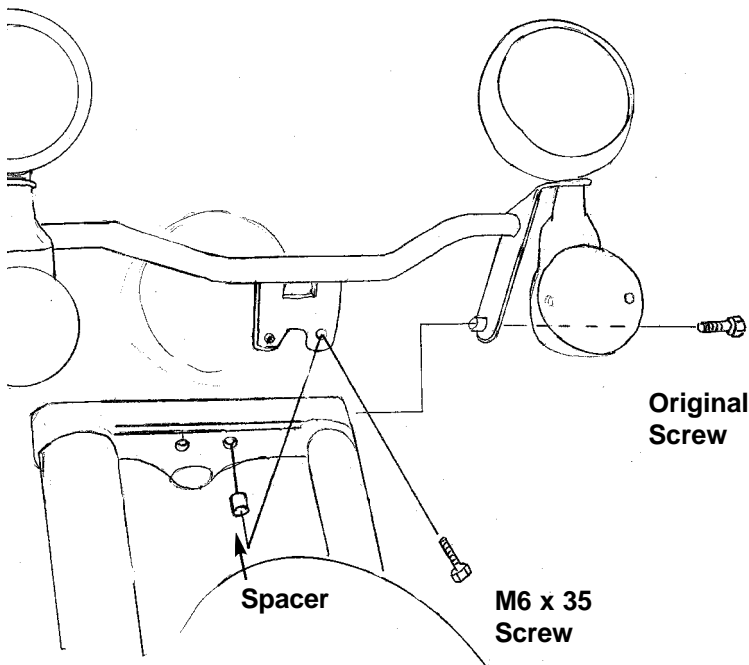
1. Position the National Cycle Lightbar assembly in the same location as the original turnsignal mounting bar.
2. Thread the original end screws, through the Lightbar mount holes, into their original locations.
3. Position the Spacers between the Lightbar center bracket and the turnsignal mounting bar center mounting location.
4. Thread the M6 x 35 Hex Head screws through the Lightbar center bracket, the spacer, then into the lower triple-clamp.
5. Tighten the end screws to 15 ft/lbs (14Nm).
6. Tighten the center screws to 6 ft/lbs (6Nm).
7. Route the Lightbar wires into the headlight shell.

**B. Wire the Lightbar.**

1. Attach the wires according to the following list: (Wire Connectors and Pliers)

**Turnsignal, Left = RED**  
**Turnsignal, Right = RED**  
**Running Lights = BLACK**  
**Passing Lamps = BLUE**

2. Grounding occurs through the frame.
3. Reinstall headlight.



## TESTING

1. Check all lights for proper operation.
2. Check the tightness of all fasteners that have been involved in this installation

## ADJUSTMENT

### 1. HORIZONTAL AIM

A. To adjust the Spotlights or Turnsignals right or left gently rotate the lamp into the correct position. In the event that the lamps become loose, refer to the procedure for vertical adjustment.

### 2. VERTICAL AIM

(In addition to the tools needed for installation)

Hex Key, 5/32" or 4mm

Deep Socket and Socket ; 9/16" or 14mm

- A. Disconnect wire connections inside the Headlight Shell.
- B. Pull the wires out of the Light Bar tube.
- C. Turn the Turnsignal to provide access to the mounting screws.
- D. Unscrew the Turnsignal mounting screws and remove the Turnsignal (Hex Key).

## MAINTENANCE

The high quality chrome finish of your National Cycle light bar can be maintained with any quality chrome cleaner and /or polish.

Replacement bulbs and bulbs for the Turnsignals can be found at motorcycle and accessory dealers as well as automobile parts stores.

- E. Push the Spotlight wire up into the Spotlight Shell.
- F. Loosen the nut on the Spotlight stud (Deep Socket).
- G. Now, adjust the Spotlight. Reconnect the spotlight wire and illuminate to verify its projection.
- H. Push wire into the Spotlight Shell.
- I. Firmly retighten the nut on the Spotlight stud.
- J. Pull the wire out of the Spotlight Shell.
- K. Reassemble in reverse order of disassembly.
- L. Adjust the Spotlights and Turnsignals horizontally by rotating into position.
- M. Verify operation of the lights.

